NITFS
Compliance Registration

Product: **Front-end Processing Environment (FPE) Version 6.2 for the production of Controlled Image Base (CIB)**

Sponsor: **National Imagery and Mapping Agency (NIMA)**

Developer: **British Aerospace Engineering (BAE)**

Date: **21 February 2003**
Expiration: **20 February 2005**
Registration #: **337**

- ☑ Initial Registration
- ☐ Supplemental/Update #
- ☐ Derived from Reg. #

☐ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☑ **Component**
N-0105/98, §4.1.3

** NITF 2.0 feature
* NITF 2.1 feature

Complexity Level

NITF 2.1 CLEVEL			3		5	6	7
Interpret							
Generate							

NITF 2.0 CLEVEL	1	2	3	4	5	6	Oth
Interpret							
Generate	☑	☑	☑				

Configurations Tested:
-Sun Enterprise Network, Solaris 8

NITFS Features Implemented:

Format
- **NITF**
  - ○ ○ v2.1
  - ○ ● v2.0
  - ○   v1.1
- **NSIF**
  - ○ ○ v1.0

Pixel Value Types
- ○ ○ Boolean
- ○ ● Integer
- ○ ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

Annotation Segment Types
- ○ ○ Bit Mapped **
- ○ ○ CGM, 2301
- ○ ○ CGM, 2301A
- ○ ○ Labels **

Text Segments
- ○ ○ STA
- ○ ○ UT1
- ○ ○ U8S
- ○ ○ MTF

Image Segment Types
- ○ ● MONO
- ○ ○ RGB
- ○ ○ RGB/LUT
- ○ ○ YCbCr
- ○ ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR

Image Compression
- ○ ○ Not Compressed
- ○ ○ JPEG Lossy, 8-bit
- ○ ○ JPEG Lossy, 12-bit
- ○ ○ JPEG Downsample
- ○ ○ JPEG Lossless
- ○ ○ JPEG 2000
- ○ ○ Bi-Level
- ○ ● Vector Quantization
- ○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
- ○ ○ TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ○ Controlled Extensions **
- ○ ● Registered Extensions **

Tagged Record Extensions
- ○ ● RPFHDR
- ○ ● RPFIMG
- ○ ● RPFDES

EDWARD E. BOYLES, Acting Division Chief
Joint Interoperability Test Command
Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.